

Work Order ID 140173

140173

Page 1

Thursday, December 17, 2015 3:43:46 PM

Item ID: 646.9502 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: 206A / B / L Cable Cutter System, Low
 Start Date: 12/10/2015 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 12/17/2015 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan: MLJ Date: DEC 24 2015 Tooling: _____ Date: _____
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____
 Run Start *NR1*
 Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
646.9500	N/C								MLJ
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 646.9502								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

JAN 18 2016

JAN 04 2016

JAN 18 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Work Order ID 140173

140173

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Thursday, December 17, 2015 3:43:46 PM

Item ID: 646.9502

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 12/10/2015 Start Qty: 1.00

1

Cust Item ID:

Required Date: 12/17/2015 Req'd Qty: 1.00

1

Customer:

Reference:

Run

Start

NR1

Approvals:

Process Plan:

Date:

Tooling:

Date:

Stop

NR2

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

130

Packaging

Packaging

Packaging

Memo

Identify and pack for shipping as per PPP 646.9502
Location :FG101

0.00

0.00

0.00

0.00

BAS
27
9-89

JAN 18 2016

140

140

QC

Quality Control

QC21- Final Inspection - Work Order Release

Memo

ML5 JAN 18 2016

SJA 20160118

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
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Description Work Order Deviation		Disposition		Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
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		OTHER : ☐			

Picklist Print

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Page 1

Work Order ID: 140173

140173

Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 12/10/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.08.28 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.9601 *646.9601* Upper Cutter Assy		Manufactured	No			110	Each	10.0000	1	1		DAS 6 9-89	DAS 28 9-89
				<u>Location</u>			<u>Loc Qty</u>			<u>Loc Code</u>			
				cck039			10						
				117062			1						
				124734			3						
				128183			6						
646.9603 *646.9603* Lower Cutter Assy Low		Manufactured	No			110	Each	3.0000	1	1		DAS 6 9-89	DAS 28 9-89
				<u>Location</u>			<u>Loc Qty</u>			<u>Loc Code</u>			
				CCK036			3						
				124735			1						
				136105			2						
646.9810 *646.9810* Deflector		Manufactured	No			110	Each	1.0000	1	1		DAS 6 9-89	DAS 28 9-89
				<u>Location</u>			<u>Loc Qty</u>			<u>Loc Code</u>			
				CCK031			1						
				125214			1						
647.0210 *647.0210* Rail		Manufactured	No			110	Each	17.0000	1	1		DAS 6 9-89	DAS 28 9-89
				<u>Location</u>			<u>Loc Qty</u>			<u>Loc Code</u>			
				CCK089			17						
				91440			17						

JAN 04 2016

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Date :	Step #:	QTY Effective :		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition			Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
		OTHER : ☐			

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Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 12/10/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

647.0110 Manufactured No

110 Each 8.0000 1 1

DAS
6
9-89
DAS
28
9-89

647 0110

Roof Doubler

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK088

8

116709

8

647.0310 Manufactured No

110 Each 19.0000 2 2

DAS
6
9-89
DAS
28
9-89

647 0310

Channel

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK090

19

116955

10

122989

8

m123185

1

646.9910 Manufactured No

110 Each 48.0000 4 4

DAS
6
9-89
DAS
28
9-89

646 9910

Struts

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK014

48

93189

48

647.0112 Manufactured No

110 Each 91.0000 8 8

DAS
6
JAN 04 2016
DAS
28
9-89

647 0112

Strut Bracket

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK007

91

M130388

91

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 12/10/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

647.0113 Manufactured No

110 Each 11.0000 2 2

DAS

6

9-89

DAS

28

9-89

647 0113

Strut Doubler

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK089

11

117864

5

136193

6

647.0111 Manufactured No

110 Each 13.0000 1 1

DAS

6

9-89

DAS

28

9-89

647 0111

Panel

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK088

13

116830

7

126233

6

647.0116 Manufactured No

110 Each 35.0000 2 2

DAS

6

9-89

DAS

28

9-89

647 0116

Doubler

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK107

35

123001

15

126234

20

647.0410 Manufactured No

110 Each 12.0000 1 1

DAS

6

9-89

DAS

28

9-89

647 0410

Tube

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK107

12

127917

4

138413

8

JAN 04 2016

Thursday, December 17, 2015 3:43:45 PM

Shop Packet Print

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DQA: _____ Date: _____



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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
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Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
		OTHER : ☐			

Picklist Print

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Work Order ID: 140173

140173

Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 12/10/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

647.0114 Manufactured No

110 Each 74.0000 1 1

647 0114

Clip

DAS

6

9-89

DAS

28

9-89

BAS

27

9-89

Location

Loc Qty

Loc Code

CCK107

74

106616

74

647.0115 Manufactured No

110 Each 69.0000 1 1

647 0115

Clip

DAS

6

9-89

DAS

28

9-89

BAS

27

9-89

Location

Loc Qty

Loc Code

cc107

69

106617

69

NAS1149FN832P Purchased No

110 Each 4,171.000 111 111

NAS1149FN832P

Washer

DAS

28

9-89

BAS

27

9-89

Location

Loc Qty

Loc Code

GA

2339

M133316

16

M133769

2323

ST262

1832

M133709

1832

NAS1149F0332P Purchased No

110 Each 1,633.000 62 62

NAS1149F0332P

Washer

DAS

6

9-89

DAS

28

9-89

BAS

27

9-89

Location

Loc Qty

Loc Code

GA

476

m133709

476

ST262

1157

m133709

1157

Thursday, December 17, 2015 3:43:45 PM

Shop Packet Print

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JAN 04 2016

DQA: _____ Date: _____



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Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
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Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 12/10/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

AN3-11A Purchased No

110 Each 154.0000 8 8

AN3-11A

Bolt

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003

150

m133363

50

m133561

100

ST349

4

m133234

4

8

MS21042-3 MS21042L3 Purchased No

110 Each 18.0000 17 17

MS21042-3

Nut / use MS21042L3

133790

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST304

18

M129682

18

CCR264SS-3-06 Purchased No

110 Each 45.0000 8 8

CCR264SS-3-06

Rivet

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST321

45

m131317

45

MS21059L08 Purchased No

110 Each 291.0000 4 4

MS21059L08

Nut

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK007

200

m133686

200

ST299

87

m131697

87

ST303

4

m131624

4

JAN 04 2016

DAS
28
9-89

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Description Work Order Deviation				Disposition																																																													
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

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Work Order ID: 140173

140173

Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 12/10/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-05

Purchased

No

110

Each

120.0000

26

26

CR3213-4-05

RIVET

**

129913

DAS

6

9-89

DAS

28

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

CCK003

100

m133561

100

ST319

20

m129764

4

m131340

16

CR3213-4-6

Purchased

No

110

Each

451.0000

20

20

CR3213-4-6

Rivet

**

128199

DAS

6

9-89

DAS

28

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

CCK003

400

M131800

400

ST319

51

M130388

51

CR3213-4-4

Purchased

No

110

Each

450.0000

19

19

CR3213-4-4

Rivet, Cherry

**

DAS

6

9-89

DAS

28

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

CCK004

300

M133694

300

ST319

48

M130388

48

ST320

102

126282

102

19

JAN 04 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

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Work Order ID: 140173

140173

Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 12/10/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-2

Purchased

No

110

Each

513.0000

18

18

CR3213-4-2

Cherry Rivet

**

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

CCK003

192

123301

192

ST319

321

m131340

321

CR3213-4-3

Purchased

No

110

Each

674.0000

18

18

CR3213-4-3

Rivet, Cherry

**

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

CCK004

140

m129541

100

m130388

40

ST318

200

m131340

200

ST320

334

123301

334

MS21047-3

Purchased

No

110

Each

155.0000

6

6

MS21047-3

Nut Plate

**

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

ST301

147

m133234

47

m133577

50

m133790

50

ST303

8

m130388

8

BAS
27
9-89

JAN 8 4 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : ☐			
Misidentified ☐		Past Due ☐					

Picklist Print

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Work Order ID: 140173

140173

Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 12/10/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

MS21042-08 MS21042L08 Purchased No

110 Each 33.0000 54 54

MS21042-08

USE MS21042L08

**

(33483)

DAS 6 28
9-89 9-89

DAS
27
9-89

Location	Loc Qty	Loc Code
ST304	25	
122815	25	
ST306	8	
m130388	8	

MS27039-08-13 Purchased No

110 Each 340.0000 6 6

MS27039-08-13

Screw

**

DAS 6 28
9-89 9-89

DAS
27
9-89

Location	Loc Qty	Loc Code
ST278	340	
124326	340	

MS21059-3 Purchased No

110 Each 545.0000 2 2

MS21059-3

Nut Plate

**

DAS 6 28
9-89 9-89

DAS
27
9-89

Location	Loc Qty	Loc Code
CA	6	
123301	6	
ST301	539	
123023	50	
123900	489	

AN743-13 Purchased No

110 Each 39.0000 1 1

AN743-13

Bracket

**

JAN 04 2016
DAS 6 28
9-89 9-89

DAS
27
9-89

Location	Loc Qty	Loc Code
ST330	39	
M129732	39	

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

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Work Order ID: 140173

140173

Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 12/10/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

AN3-3A Purchased No

110 Each 300.0000 1 1

AN3-3A

Bolt

**

DAS

6

DAS

9-89

28

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003

104

m131624

104

ST350

196

m133483

96

m133833

100

CCR264SS3-04

Purchased No

110 Each 639.0000 12 12

CCR264SS3-04

Rivet

**

DAS

6

DAS

28

9-89

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK004

590

123785

400

m129702

190

ST321

49

123352

49

CR3212-5-4

Purchased No

110 Each 200.0000 8 8

CR3212-5-4

Cherry Rivet

**

DAS

6

DAS

28

9-89

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK005

200

m133709

200

CCR264SS3-2

CCR264SS3-02

Purchased No

110 Each 0.0000 4 4

CCR264SS3-2

Rivet, Cherry

**

DAS

6

DAS

28

9-89

9-89

DAS
27
9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Work Order ID: 140173

140173

Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 12/10/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

NAS1835-08

Purchased

No

110

Each

56.0000

4

4

NAS1835-08

Insert

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST265

56

m129913

56

CR3213-4-1

Purchased

No

110

Each

150.0000

14

14

CR3213-4-1

Cherry Rivet

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK005

100

m133577

100

ST320

50

m131340

50

MS27039-1-08

Purchased

No

110

Each

536.0000

5

5

MS27039-1-08

Screw

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CA

96

m128636

96

FP001

325

m128636

325

GA

2

125654

2

ST281

113

m128636

113

DAS
27
9-89

JAN 04 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Picklist Print

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Work Order ID: 140173

140173

Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 12/10/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

647.1210 Manufactured No

110 Each 5.0000 1 1

647 1210

Screen

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK107

5

126236

5

MS35842-11

Purchased No

110 Each 9.0000 1 1

MS35842-11

Hose Clamp

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST269

5

m133561

5

ST274

4

m130238

4

MS27039-08-11

Purchased No

110 Each 546.0000 43 43

MS27039-08-11

SCREW

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

over006

450

m133769

450

ST278

96

m133363

96

MS27039-08-06

Purchased No

110 Each 144.0000 4 4

MS27039-08-06

Screw

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST278

144

125646

21

m126249

123

DAS
27
9-89

JAN 04 2016

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐			
Design ☐	☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐			
Doc/Data ☐	☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐			
Equip/Tooling ☐	☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐			
Handling/Pre ☐	☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐			
Material ☐	☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐			
Internal Transport ☐	☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐			
Tribal Knowledge ☐	☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐			
LOA ☐	☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐			
Substation ☐	☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐			
Past Expiry Date ☐	☐	Manufacturing Process ☐	OTHER : _____						
Misidentified ☐	☐	Past Due ☐							

Picklist Print

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Work Order ID: 140173

140173

Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 12/10/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-09

Purchased

No

110

Each

64.0000

4

4

DAS

6

9-89

DAS
28
9-89

MS27039-08-09

Screw

**

DAS
27
9-89

Location

Loc Qty

Loc Code

ST278

64

m131317

64

MS27039-08-12

Purchased

No

110

Each

129.0000

2

2

DAS

6

9-89

DAS
28
9-89

MS27039-08-12

Screw

**

DAS
27
9-89

Location

Loc Qty

Loc Code

ST278

129

123352

29

124326

100

MS27039-1-11

Purchased

No

110

Each

223.0000

5

5

DAS

6

9-89

DAS
28
9-89

MS27039-1-11

Screw

**

DAS
27
9-89

Location

Loc Qty

Loc Code

CA

178

124326

178

GA

25

125654

13

9662

12

ST280

20

m131317

20

CR3212-4-4

CR3212-4-04

Purchased

No

110

Each

0.0000

1

1

DAS

6

9-89

DAS
28
9-89

CR3212-4-4

CHERRY RIVET

**

DAS
27
9-89

132317

JAN 04 2016

Thursday, December 17, 2015 3:43:45 PM

Shop Packet Print

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐			FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
			OTHER : ☐					

Picklist Print

Thursday, December 17, 2015 3:43:45 PM

Work Order ID: 140173

140173

Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 12/10/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

MS24694-S8

Purchased

No

110

Each

57.0000

5

5

DAS

6

9-89

DAS

28

9-89

MS24694-S8

Screw

**

Location

Loc Qty

Loc Code

ST285

57

M129909

57

AN3-10A

Purchased

No

110

Each

152.0000

8

8

DAS

6

9-89

DAS

28

9-89

AN3-10A

Bolt

**

Location

Loc Qty

Loc Code

GA

57

m132763

57

ST349

95

m133694

95

600.0990

Purchased

No

110

Each

19.0000

1

1

DAS

6

9-89

DAS

28

9-89

600.0990

Magnabond 6398 Part A

**

Location

Loc Qty

Loc Code

CA

12

M133800

12

PKG

7

M131589

7

2/11/2016

600.0991

Purchased

No

110

Each

20.0000

1

1

DAS

6

9-89

DAS

28

9-89

600.0991

MAGNOBOND 6398 PART B

**

Location

Loc Qty

Loc Code

CA

12

m133800

12

PKG

8

m131589

8

2/11/2016

JAN 04 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : ☐					

Picklist Print

Thursday, December 17, 2015 3:43:46 PM

Work Order ID: 140173

140173

Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 12/10/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

600.1012

Purchased

No

110

Each

19.0000

1

1

600 1012

Sealant PR1425B2 (#654 sem)

**DAS
27
9-89**

Location

Loc Qty

Loc Code

cck017

18

m133515

8

m133800

8

m133380

2

6/1/2016

cck018

1

m131364

1

10/30/2015

**DAS
6
9-89**

**DAS
28
9-89
JAN 04 2016**

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date : _____		Step #: _____		QTY Effective : _____				MRB (QSI042) Approval																																																									
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03047				SHEET 1 OF 1	
	DWG NO. 646.9500	REV: NC	PREPARED BY J. JACKSON	DATE: 01/24/11	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>		QC <i>[Signature]</i>	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: ADDED GPS MOUNT KIT, F/N 52. REVISED DRAWING VIEWS. ADDED NOTE 2				
EFF: NEXT ORDER						

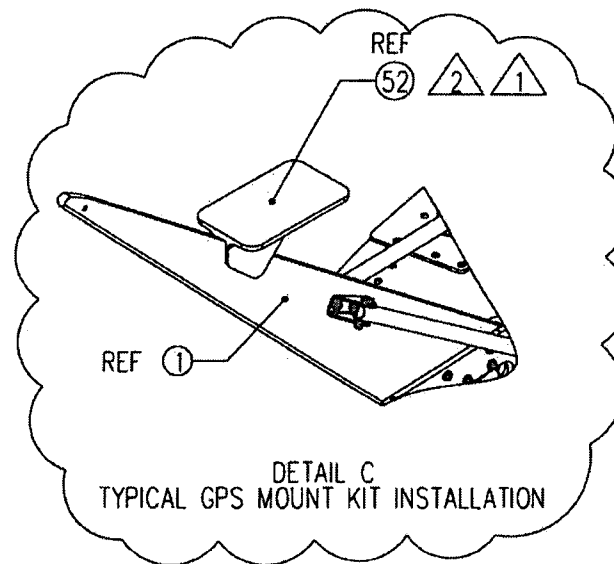
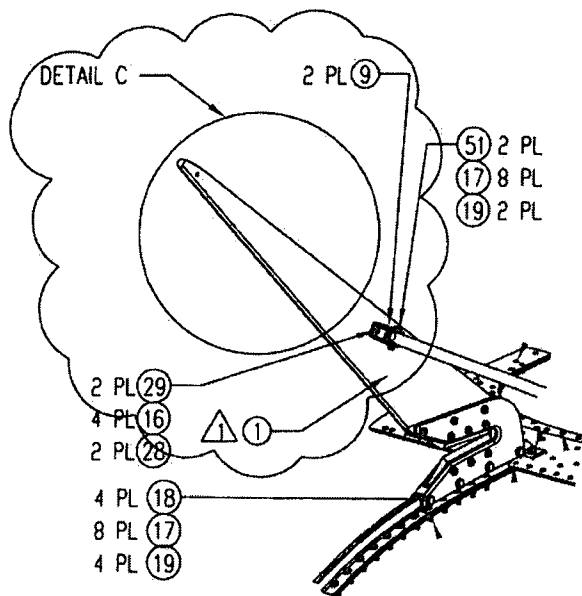
SHEET 1, ZONE B1 IS:

2 AT CUSTOMERS OPTION, INSTALL F/N 52 BY MATCH DRILLING ONTO F/N 1.

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 140173 MJS
15-12-24

SHEET 2, ZONE A3 IS:

SHEET 2, ZONE B2 IS:



52	A	647.5701	REF	REF	GPS MOUNT KIT	2	
F/N	TC	PART NUMBER	.9502	.9501	DESCRIPTION	MATERIAL	SPECIFICATION
			QTY				
DOCUMENTS EFFECTED:					☐ MDL ☐ INSTALL INSTRUC ☐ ICA ☒ BOM	CHANGE CATEGORY ☐ MAJOR ☒ MINOR	DER REVIEW REQUIRED ☐ YES ☒ NO

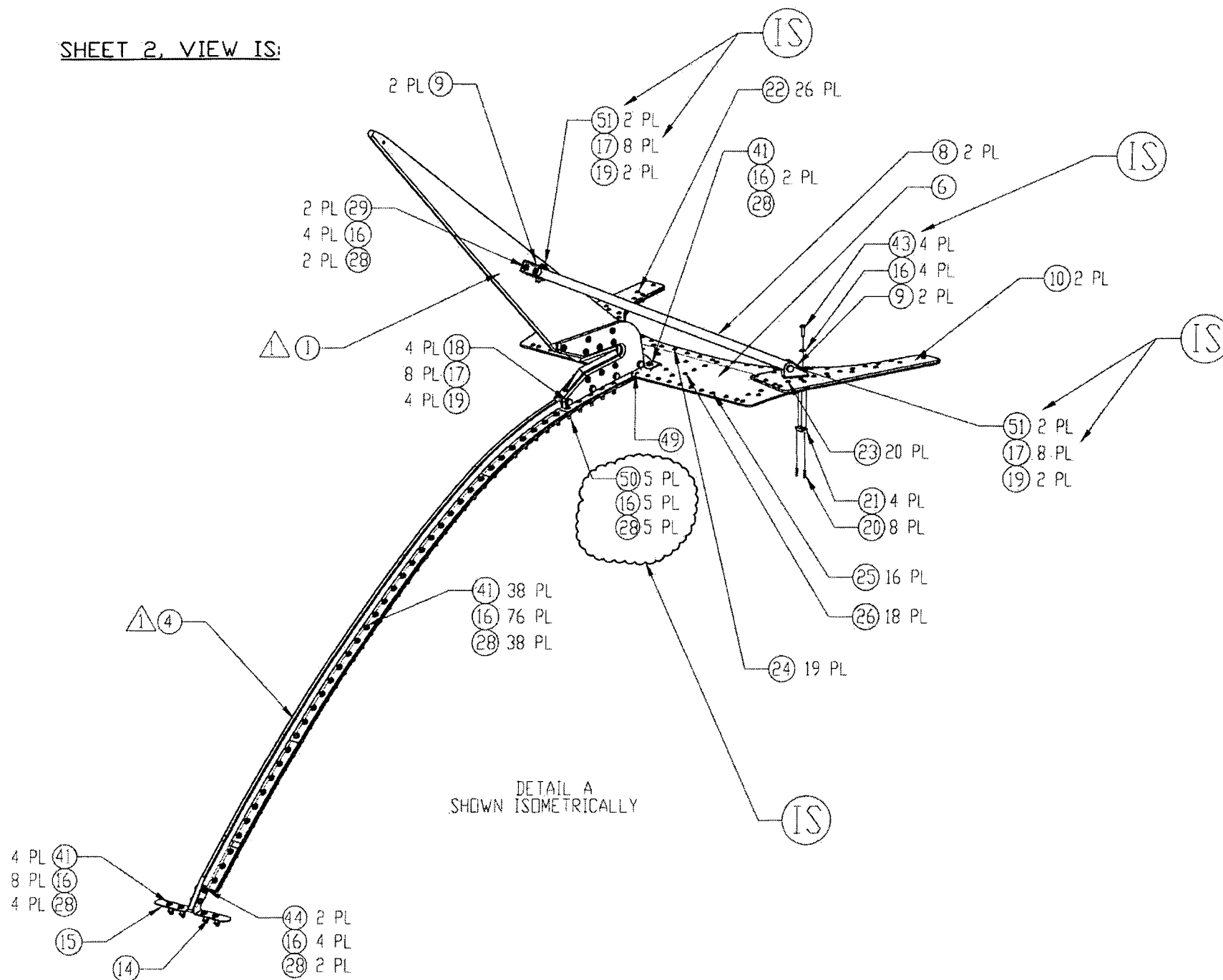
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02736				SHEET 1 OF 1	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 01/06/10	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF:	CURRENT ORDER
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: CORRECTED PARTS LIST ERRORS				

17	R	601.1607	62	62	WASHER	NAS1149F0332P
16	R	601.2764	111	111	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729				SHEET 1 OF 3	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY: ENGR <i>[Signature]</i>	MEG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: HARDWARE REVISIONS FROM FIRST INSTALL					

51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED:						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						DER REVIEW REQUIRED ☐ YES ☒ NO

SHEET 2, VIEW IS:



13 31 39 40 25 2 PL 4 PL 18 8 PL 4 PL 19 2 DR 3 51 17 19 2 PL 9 2 PL 12 14 PL 37 36 A/R 47 A/R 48 A C FWD IS

DETAIL B
LH SIDE SHOWN

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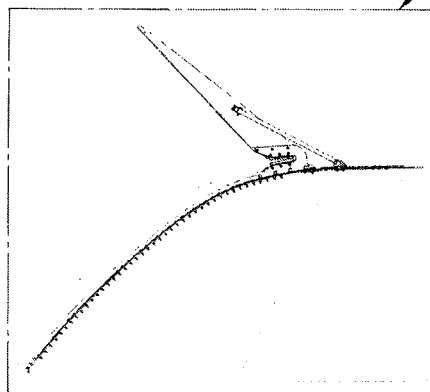
NOTES:

1 AFTER INSTALLATION, APPLY F/N 46 A/R TO FILL GAPS AND FILLET EDGES

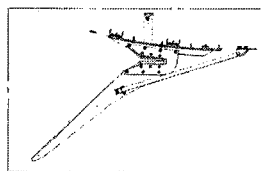
UNINCORPORATED ECN(S)

02729, 02736, 03047

DETAIL A



DETAIL B



QTY	FIND #	PART #	DESCRIPTION	MATL	SPEC.
1	1	49	601.1066 RIVET	CR3213-4-4	
1	1	48	600.0991 MAGNOBOND 6000 PART B		
1	1	47	600.0990 MAGNOBOND 6000 PART A		
1	1	46	600.1012 SEALANT	PP-1425 CLASS B	
5	5	45	601.1949 SCREW	MS27039-1-11	
2	2	44	601.2989 SCREW	MS27039-1-12	
4	4	43	601.2987 SCREW	MS27039-1-13	
4	4	42	601.3000 SCREW	MS27039-1-14	

QTY	FIND #	PART #	DESCRIPTION	MATL	SPEC.
47	47	41	601.2893 SCREW	MS27039-0811	
1	1	40	601.2982 HOSE CLAMP	MS25842-11	
1	1	39	647.1210 SCREEN		
5	5	38	601.1621 SCREW	MS27039-1-08	
14	14	37	601.2979 RIVET	CR3213-4-1	
4	4	36	601.2964 INSERT	MS27039-08	
4	4	35	601.2277 RIVET	CR3213-4-2	
8	8	34	601.2983 RIVET	CR3213-4-3	
12	12	33	601.2980 NUTPLATE RIVET	CR3213-4-4	
1	1	32	601.2822 BOLT	AN3-3A	
1	1	31	601.2985 BRACKET	AN7401-13	
2	2	30	601.1900 NUTPLATE	MS27039-3	
6	6	29	601.2988 SCREW	MS27039-0812	
53	53	28	601.2973 LOCKNUT	MS27042-08	
6	6	27	600.0795 NUTPLATE	MS27047-3	
18	18	26	601.0790 RIVET	CR3213-4-5	
18	18	25	601.1039 RIVET	CR3213-4-6	
19	19	24	601.1915 RIVET	CR3213-4-7	
20	20	23	601.2991 RIVET	CR3213-4-8	
26	26	22	601.1183 RIVET	CR3213-4-9	
4	4	21	601.2356 NUTPLATE	MS27039-08	
8	8	20	601.2981 NUTPLATE RIVET	CR3213-4-10	
17	17	19	601.2943 LOCKNUT	MS27042-3	
16	16	18	601.2826 BOLT	AN3-11A	
46	46	17	601.1607 WASHER	MS27039-0813	
114	114	16	601.2764 WASHER	MS27039-0814	
1	1	15	647.0115 CLIP		
1	1	14	647.0114 CLIP		
1	1	13	647.0410 TUBE		
2	2	12	647.0116 DOUBLER		
1	1	11	647.0111 PANEL		
2	2	10	647.0113 STRUT DOUBLER		
8	8	9	647.0112 STRUT BRACKET		
4	4	8	646.9910 STRUT		
2	2	7	647.0310 CHANNEL		
1	1	6	647.0110 ROOF DOUBLER		
1	1	5	647.0210 RAIL		
1	1	4	646.9810 DEFLECTOR		
1	1	3	646.9603 LOWER CUTTER ASSY LOW		
1	1	2	646.9602 LOWER CUTTER ASSY HIGH		
1	1	1	646.9601 UPPER CUTTER ASSY		
1	1	1	646.9502 206 CABLE CUTTERS KIT LOW		
1	1	1	646.9501 206 CABLE CUTTERS KIT HIGH		

QTY	FIND #	PART #	DESCRIPTION	MATL	SPEC.
1	1	1	646.9501 206 CABLE CUTTERS KIT HIGH		
1	1	1	646.9502 206 CABLE CUTTERS KIT LOW		
1	1	1	646.9601 UPPER CUTTER ASSY		
1	1	2	646.9602 LOWER CUTTER ASSY HIGH		
1	1	3	646.9603 LOWER CUTTER ASSY LOW		
1	1	4	646.9810 DEFLECTOR		
1	1	5	647.0210 RAIL		
1	1	6	647.0110 ROOF DOUBLER		
2	2	7	647.0310 CHANNEL		
4	4	8	646.9910 STRUT		
8	8	9	647.0112 STRUT BRACKET		
2	2	10	647.0113 STRUT DOUBLER		
1	1	11	647.0111 PANEL		
2	2	12	647.0116 DOUBLER		
1	1	13	647.0410 TUBE		
1	1	14	647.0114 CLIP		
1	1	15	647.0115 CLIP		
114	114	16	601.2764 WASHER	MS27039-0814	
46	46	17	601.1607 WASHER	MS27039-0813	
16	16	18	601.2826 BOLT	AN3-11A	
17	17	19	601.2943 LOCKNUT	MS27042-3	
8	8	20	601.2981 NUTPLATE RIVET	CR3213-4-10	
4	4	21	601.2356 NUTPLATE	MS27039-08	
26	26	22	601.1183 RIVET	CR3213-4-9	
20	20	23	601.2991 RIVET	CR3213-4-8	
19	19	24	601.1915 RIVET	CR3213-4-7	
18	18	25	601.1039 RIVET	CR3213-4-6	
18	18	26	601.0790 RIVET	CR3213-4-5	
6	6	27	600.0795 NUTPLATE	MS27047-3	
53	53	28	601.2973 LOCKNUT	MS27042-08	
6	6	29	601.2988 SCREW	MS27039-0812	
2	2	30	601.1900 NUTPLATE	MS27039-3	
1	1	31	601.2985 BRACKET	AN7401-13	
1	1	32	601.2822 BOLT	AN3-3A	
12	12	33	601.2980 NUTPLATE RIVET	CR3213-4-4	
8	8	34	601.2983 RIVET	CR3213-4-3	
4	4	35	601.2277 RIVET	CR3213-4-2	
4	4	36	601.2964 INSERT	MS27039-08	
14	14	37	601.2979 RIVET	CR3213-4-1	
5	5	38	601.1621 SCREW	MS27039-1-08	
1	1	39	647.1210 SCREEN		
1	1	40	601.2982 HOSE CLAMP	MS25842-11	
47	47	41	601.2893 SCREW	MS27039-0811	

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

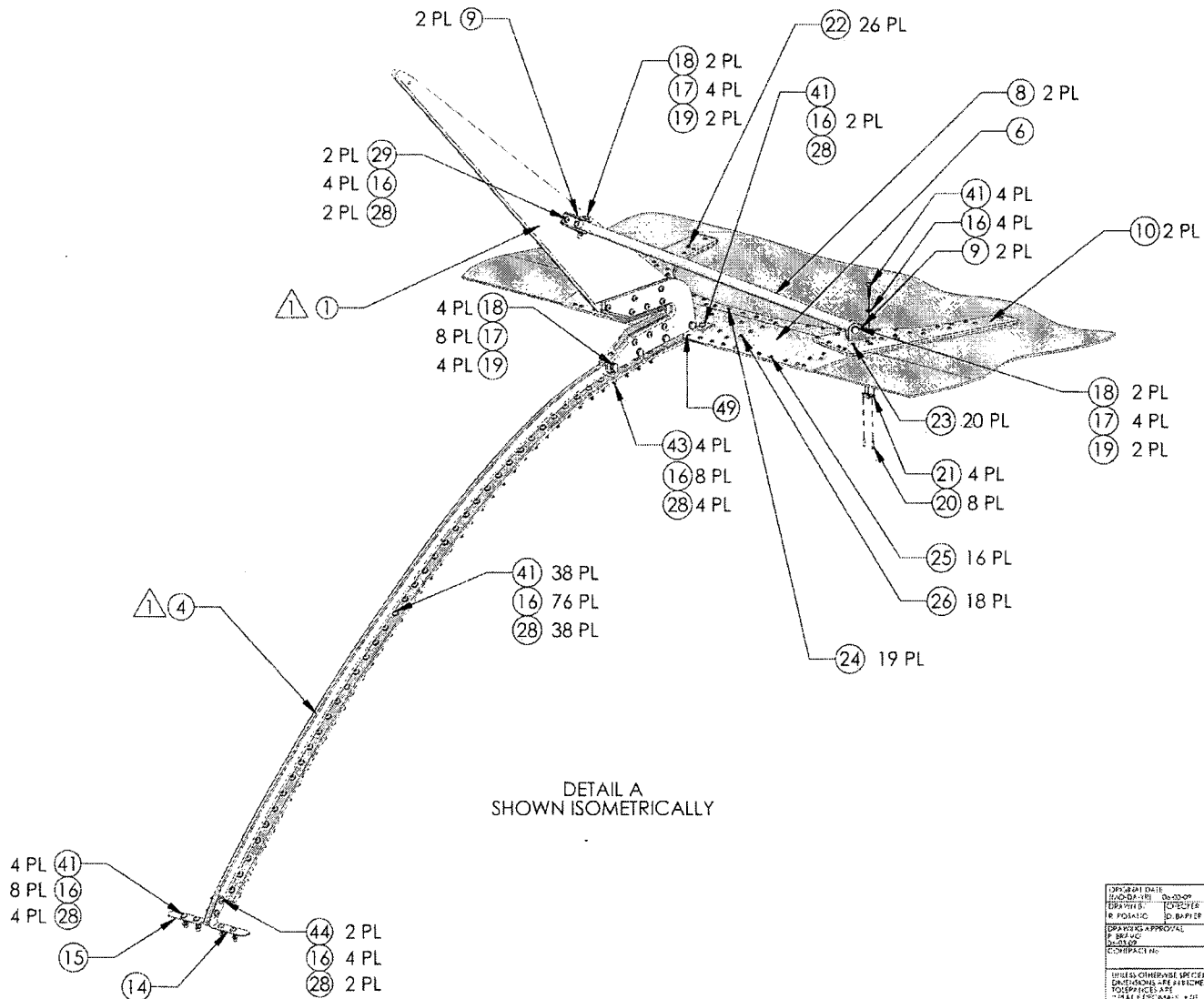
206 CABLE CUTTERS KIT

646.9500

SCALE: NONE

SHEET 1 OF 3

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THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED



DETAIL A
SHOWN ISOMETRICALLY

OFFICIAL DATE	ON-ORDER #	
DRAWING NO.	TITLE	
BY	DATE	
CHECKED BY	DATE	
APPROVED BY	DATE	
COMPANY NO.		

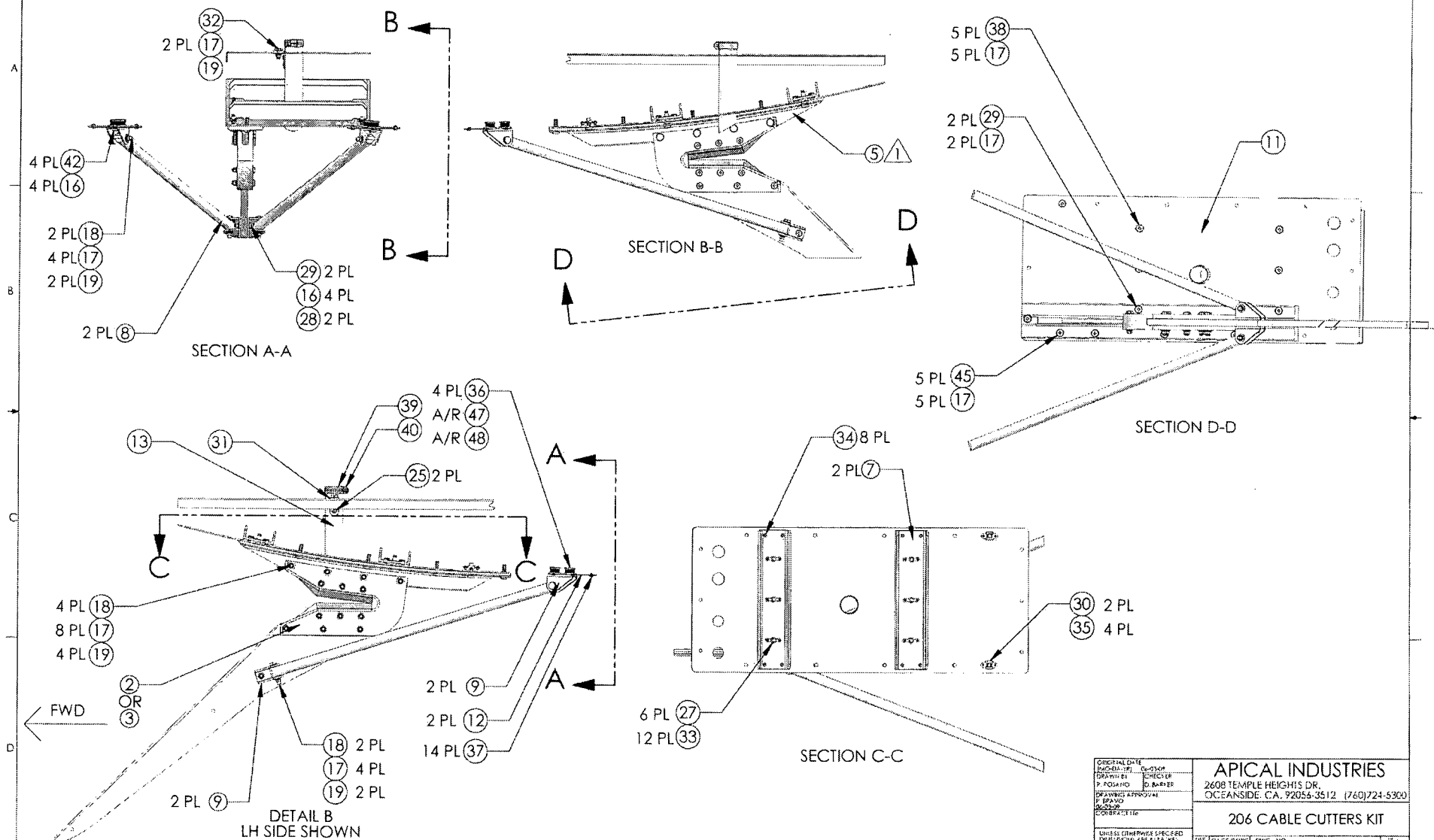
APICAL INDUSTRIES

2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA 92056-3512 (760) 724-5300

206 CABLE CUTTERS KIT

THIS IS COMPANY SPECIFIC DRAWING AND PERFORMS TO THE FOLLOWING: - 1/4" X 1/2" X 1/2" X 1/2" - 1/4" X 1/2" X 1/2" X 1/2" - 1/4" X 1/2" X 1/2" X 1/2"	SEE FIGURE 1 B SCALE NONE	DWG NO. 646.9500 SHEET	P/N N/C OF 3
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ORIGINAL DATE 08/21/81		APICAL INDUSTRIES	
DRAWN BY P. KOSIOWSKI		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300	
CHECKED BY D. BARBER		206 CABLE CUTTERS KIT	
DESIGNED BY P. BRADY		REV B	N/C
CONTRACT NO. 0000000000		SCALE NONE	SHEET 3 OF 3
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE + PLACES DECIMALS ± 0.1 + PLACES DECIMALS ± 0.005 + PLACES DECIMALS ± 0.001			

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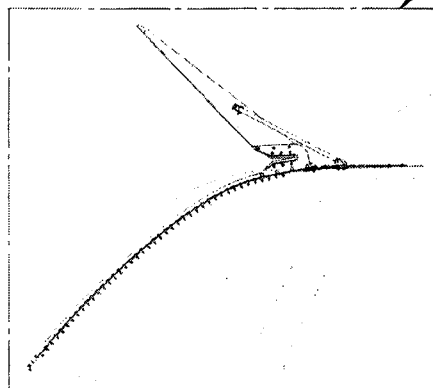
NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 46 A/R TO FILL GAPS AND FILLET EDGES

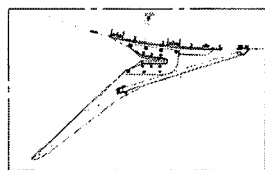
UNINCORPORATED ECN(S)

02729, 02736, 03047

DETAIL A



DETAIL B



QTY	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
1	1	49	601.1066 RIVET	CR3212-4-4	
1	1	48	600.0991 MAGNABOND 6398 PART B		
1	1	47	600.0990 MAGNABOND 6398 PART A		
1	1	46	600.1012 SEALANT	PP-1435 CLASS B	
5	5	45	601.1949 SCREW	MS27037-1-11	
2	2	44	601.2989 SCREW	MS27037-1-11	
4	4	43	601.2987 SCREW	MS27037-1-11	
4	4	42	601.3000 SCREW	MS27037-1-11	

REV.	DESCRIPTION	DATE	APPROVED
1	LAST PROTOTYPE REVISED FOR		100
1	INITIAL RELEASE	06/03/09	P. BPAVCI

QTY	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
47	47	41	601.2893 SCREW	MS27037-0811	
1	1	40	601.2982 HOSE CLAMP	MS15842-11	
1	1	39	647.1210 SCREEN		
5	5	38	601.1621 SCREW	MS27037-1-08	
14	14	37	601.2979 RIVET	CR3212-4-1	
4	4	36	601.2984 INSERT	MS15835-08	
4	4	35	601.2277 RIVET	CR3212-5-02	
8	8	34	601.2983 RIVET	CR3212-5-4	
12	12	33	601.2980 NUTPLATE RIVET	CR3212-5-04	
1	1	32	601.2822 BOLT	AN3-3A	
1	1	31	601.2985 BRACKET	AL1743-13	
2	2	30	601.1900 NUTPLATE	MS21059-3	
6	6	29	601.2988 SCREW	MS27037-0813	
53	53	28	601.2973 LOCKNUT	MS21042-08	
6	6	27	600.0795 NUTPLATE	MS21047-3	
18	18	26	601.0790 RIVET	CR3212-4-2	
18	18	25	601.1039 RIVET	CR3212-4-2	
19	19	24	601.1915 RIVET	CR3212-4-4	
20	20	23	601.2991 RIVET	CR3212-4-6	
26	26	22	601.1183 RIVET	CR3212-4-5	
4	4	21	601.2356 NUTPLATE	MS21059-08	
8	8	20	601.2981 NUTPLATE RIVET	CR3212-3-06	
17	17	19	601.2943 LOCKNUT	MS21042-3	
16	16	18	601.2826 BOLT	AN3-11A	
46	46	17	601.1607 WASHER	MS11490-020P	
114	114	16	601.2764 WASHER	MS11490-020P	
1	1	15	647.0115 CLIP		
1	1	14	647.0114 CLIP		
1	1	13	647.0410 TUBE		
2	2	12	647.0116 DOUBLER		
1	1	11	647.0111 PANEL		
2	2	10	647.0113 STRUT DOUBLER		
8	8	9	647.0112 STRUT BRACKET		
4	4	8	646.9910 STRUT		
2	2	7	647.0310 CHANNEL		
1	1	6	647.0110 ROOF DOUBLER		
1	1	5	647.0210 RAIL		
1	1	4	646.9810 DEFLECTOR		
1	1	3	646.9603 LOWER CUTTER ASSY LOW		
1	1	2	646.9602 LOWER CUTTER ASSY HIGH		
1	1	1	646.9601 UPPER CUTTER ASSY		
1	1	1	646.9502 206 CABLE CUTTERS KIT LOW		
1	1	1	646.9501 206 CABLE CUTTERS KIT HIGH		

QTY NEXT ASSY (S)

ORIGINAL DATE: 06/03/09
 DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]
 CONTRACT NO: [Signature]

APICAL INDUSTRIES
 2608 TEMPLE HEIGHTS DR.
 OCEANSIDE, CA. 92056-3512 (760) 724-5300

206 CABLE CUTTERS KIT

SCALE: NONE

SHEET 1 OF 3

UNRECEIVED

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729				SHEET 1 OF 3	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
APPROVED BY:		ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: HARDWARE REVISIONS FROM FIRST INSTALL				

51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02736				SHEET 1 OF 1	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 01/06/10	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
APPROVED BY:		ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: CORRECTED PARTS LIST ERRORS				

17	R	601.1607	62	62	WASHER	NAS1149F0332P
16	R	601.2764	111	111	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO